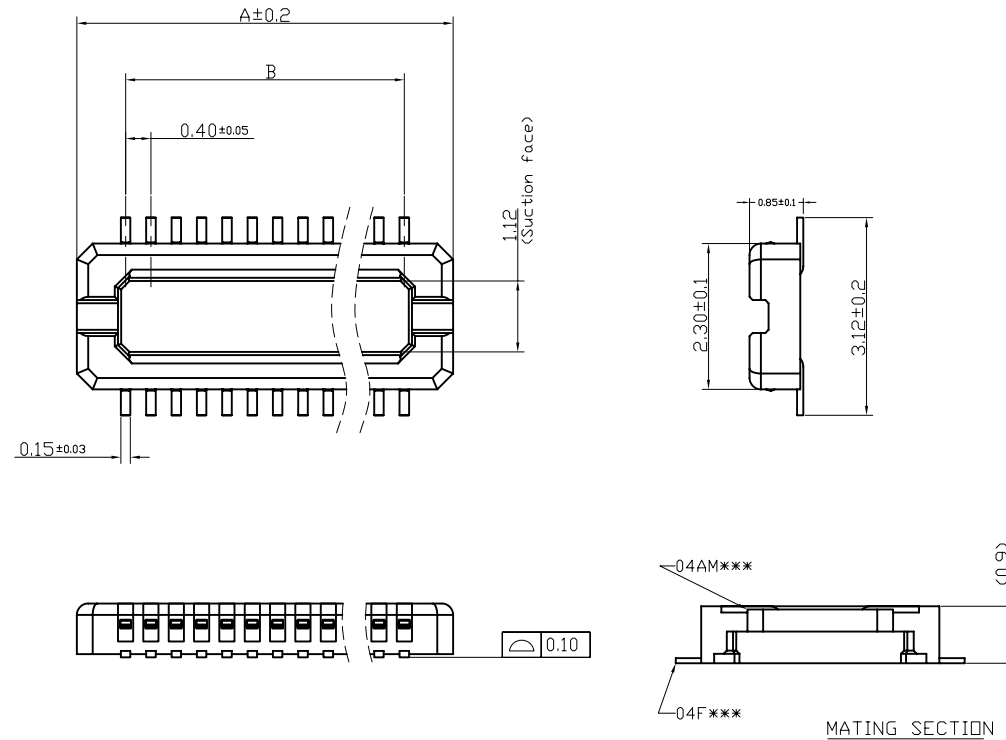


REV	ECN NO	DRA	APPD	DATE
A	FIRST RELEASE	George Gao	Human Zhou	2013.09.12

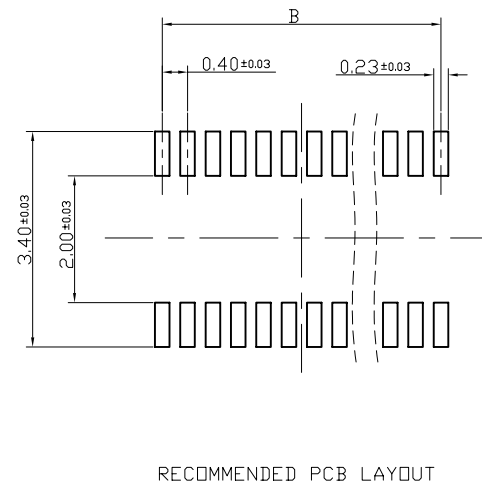


Specifications:

- 1) Material:
 - 1-1.Molded portion: LCP resin (UL94 V-0)
 - 1-2.Contact and Post: Copper alloy.
- 2) Surface treatment:
 - 2-1.Terminal portion: Base: Ni plating Surface: Au plating (except the terminal tips) ; Exposed nickel portions.
 - 2-2.Metal clips: Base: Ni plating Surface: Au flash plating (except the terminal tips) Or Base: Ni plating Surface: Sn flash plating (except the terminal tips)
- 3) Characteristics:
 - 3-1. Rated voltage: 30V AC/DC
 - 3-2. Rated current: 0.3A/contact (Max. 5A at total contact)
 - 3-3. Insulation resistance: Min. 1000M Ω (initial)
 - 3-4. Breakdown voltage: 150V AC for 1 min.
 - 3-5.Saltwater spray resistance (header and socket mated): 24 hours, insulation resistance min.100M Ω , contact resistance max. 90m Ω
 - 3-6. Contact resistance: Max. 90m Ω
 - 3-7. Ambient temperature: -55 $^{\circ}$ C~+85 $^{\circ}$ C
 - 3-8. Storage temperature: -55 $^{\circ}$ C~+85 $^{\circ}$ C (product only); -40 $^{\circ}$ C~+50 $^{\circ}$ C (emboss packing)
 - 3-9. Composite insertion force: Max. 0.981N/contacts X contacts (initial)
 - 3-10. Composite removal force: Min. 0.165N/contacts X contacts
 - 3-11. Post holding force: Min. 0.49N/contacts
 - 3-12. Insertion and removal life: 30 times

TABLE:

60	13. 14	11. 60
50	11. 14	9. 60
40	9. 14	7. 60
30	7. 14	5. 60
24	5. 94	4. 40
10	3. 14	1. 60
NUMBER OF CONTACTS	A	B



5004-AM***-04

HEADER _____ PITCH-0.4MM
 _____ NUMBER OF
 CONTACTS

DIMENTION IN mm			深圳市文章济美科技有限公司 Shenzhen WenZhangJiMei technology co., LTD						
TOLERANCE UNLESS OTHERWISE SPECIFIED			APPD:	TITLE: 0.4MM BTB (MATING HEIGHT 0.9H)					
			CHKD:	DWG NO: 5004-AM***-04					
			DRA: George Gao 2013.09.12	PROJ	Q'TY	SIZE	SHEET	SCALE	REV
. ±0.20 .0 ±0.10 .00 ±0.05 .000±0.03	. ±2° .0 ±1° .00 ±0.5° .000±0.3°			--	A4	1/1	1:1	A	

A

B

C

D

E

A

B

C

D

E

1

2

3

4

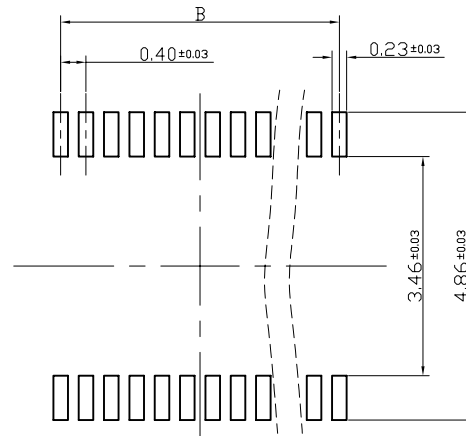
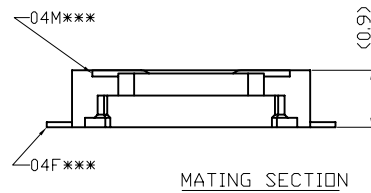
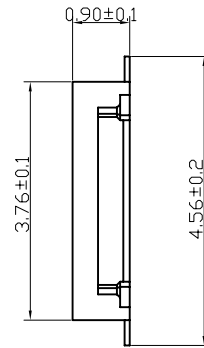
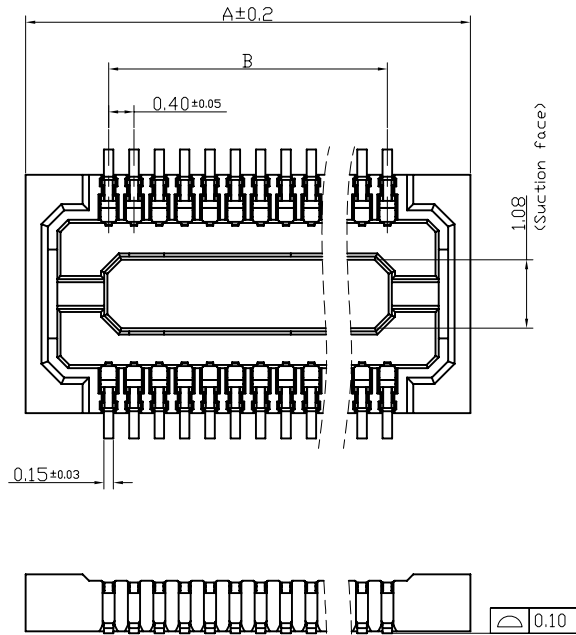
5

6

7

8

REV	ECN NO	DRA	APPD	DATE
A	FIRST RELEASE	George Gao	Human Zhou	2013.09.18



RECOMMENDED PCB LAYOUT

Specifications:

1) Material:

- 1-1.Molded portion: LCP resin (UL94 V-0)
- 1-2.Contact and Post: Copper alloy.

2) Surface treatment:

- 2-1.Terminal portion: Base: Ni plating Surface: Au plating (except the terminal tips) ; Exposed nickel portions.
- 2-2.Metal clips: Base: Ni plating Surface: Au flash plating (except the terminal tips) Or Base: Ni plating Surface: Sn flash plating (except the terminal tips)

3) Characteristics:

- 3-1. Rated voltage: 30V AC/DC
- 3-2. Rated current: 0.3A/contact (Max. 5A at total contact)
- 3-3. Insulation resistance: Min. 1000M Ω (initial)
- 3-4. Breakdown voltage: 150V AC for 1 min.
- 3-5.Saltwater spray resistance (header and socket mated): 24 hours, insulation resistance min.100M Ω , contact resistance max. 90m Ω
- 3-6. Contact resistance: Max. 90m Ω
- 3-7. Ambient temperature: -55 $^{\circ}$ C~+85 $^{\circ}$ C
- 3-8. Storage temperature: -55 $^{\circ}$ C~+85 $^{\circ}$ C (product only); -40 $^{\circ}$ C~+50 $^{\circ}$ C (emboss packing)
- 3-9. Composite insertion force: Max. 0.981N/contacts X contacts (initial)
- 3-10. Composite removal force: Min. 0.165N/contacts X contacts
- 3-11. Post holding force: Min. 0.49N/contacts
- 3-12. Insertion and removal life: 30 times

5004-F***-04

SOCKET

PITCH-0.4MM

NUMBER OF CONTACTS

TABLE:

60	14.22	11.60
40	10.22	7.60
30	8.22	5.60
24	7.02	4.40
NUMBER OF CONTACTS	A	B

1

2

3

4

5

6

7

8

DIMENTION IN mm		深圳市文章济美科技有限公司 Shenzhen WenZhangJiMei technology co., LTD							
TOLERANCE UNLESS OTHERWISE SPECIFIED		APPD:	TITLE: 0.4MM BTB (MATING HEIGHT 0.9H)						
		CHKD:	DWG NO: 5004-F***-04						
		DRA: George Gao 2013.09.18	PROJ	Q'TY	SIZE	SHEET	SCALE	REV	
			☐	--	A4	1/1	1:1	A	

